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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 16.5271 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613B-4

Perfect score: 579

Sequence: 1 QDMITFQKKHLNTRDVCN.....TFCVTCENQAPVHFVGCHC 104

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubppaa/US08_NEW_PUB.pep:*

2: /cgn2_6/ptodata/1/pubppaa/PCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB.pep:*

5: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep:*

6: /cgn2_6/ptodata/1/pubppaa/PCU07_PUBCOMB.pep:*

7: /cgn2_6/ptodata/1/pubppaa/PCU07_PUBCOMB.pep:*

8: /cgn2_6/ptodata/1/pubppaa/US08_NEW_PUB.pep:*

9: /cgn2_6/ptodata/1/pubppaa/US09_NEW_PUB.pep:*

10: /cgn2_6/ptodata/1/pubppaa/US09_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubppaa/US10_NEW_PUB.pep:*

12: /cgn2_6/ptodata/1/pubppaa/US10_PUBCOMB.pep:*

13: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB.pep:*

14: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|-------------------|--------------------|
| 1 | 579 | 100.0 | 104 | US-09-948-391A-4 | Sequence 4, Appl1 |
| 2 | 570 | 98.4 | 105 | US-09-948-391A-8 | Sequence 8, Appl1 |
| 3 | 570 | 98.4 | 111 | US-09-948-391A-9 | Sequence 9, Appl1 |
| 4 | 569 | 98.3 | 105 | US-09-948-391A-6 | Sequence 6, Appl1 |
| 5 | 569 | 98.3 | 127 | US-09-948-391A-28 | Sequence 28, Appl1 |
| 6 | 564 | 97.4 | 104 | US-09-948-391A-11 | Sequence 11, Appl1 |
| 7 | 564 | 97.4 | 105 | US-09-948-391A-13 | Sequence 13, Appl1 |
| 8 | 560 | 96.7 | 104 | US-09-948-391A-2 | Sequence 2, Appl1 |
| 9 | 547 | 94.5 | 105 | US-10-153-882-2 | Sequence 2, Appl1 |
| 10 | 542 | 93.6 | 104 | US-09-986-119-1 | Sequence 1, Appl1 |
| 11 | 436 | 75.3 | 83 | US-09-986-119-3 | Sequence 3, Appl1 |
| 12 | 276.5 | 47.8 | 111 | US-09-948-391A-21 | Sequence 21, Appl1 |
| 13 | 276.5 | 47.8 | 117 | US-09-948-391A-22 | Sequence 22, Appl1 |
| 14 | 275.5 | 46.7 | 110 | US-09-948-391A-15 | Sequence 15, Appl1 |
| 15 | 270.5 | 46.7 | 110 | US-09-948-391A-19 | Sequence 19, Appl1 |
| 16 | 270.5 | 46.7 | 110 | US-09-948-391A-24 | Sequence 24, Appl1 |
| 17 | 270.5 | 46.7 | 111 | US-09-948-391A-26 | Sequence 26, Appl1 |
| 18 | 269.5 | 46.5 | 111 | US-09-948-391A-17 | Sequence 17, Appl1 |
| 19 | 153.5 | 26.5 | 169 | US-10-016-447-2 | Sequence 2, Appl1 |

| | | | | | | |
|----|-------|------|-----|----|-------------------|--------------------|
| 20 | 120.5 | 20.8 | 124 | 12 | US-10-016-447-5 | Sequence 5, Appl1 |
| 21 | 108 | 18.7 | 124 | 9 | US-09-981-286A-8 | Sequence 8, Appl1 |
| 22 | 106 | 18.3 | 147 | 10 | US-09-286-240-6 | Sequence 6, Appl1 |
| 23 | 106 | 18.3 | 147 | 10 | US-09-863-777-2 | Sequence 2, Appl1 |
| 24 | 106 | 18.3 | 147 | 10 | US-09-731-872-254 | Sequence 254, App |
| 25 | 90.5 | 15.6 | 131 | 12 | US-10-016-447-6 | Sequence 6, Appl1 |
| 26 | 84.5 | 14.6 | 156 | 9 | US-09-796-753-102 | Sequence 102, App |
| 27 | 84.5 | 14.6 | 156 | 9 | US-09-796-753-118 | Sequence 118, App |
| 28 | 84.5 | 14.6 | 156 | 9 | US-10-245-103-60 | Sequence 60, Appl1 |
| 29 | 84.5 | 14.6 | 156 | 9 | US-10-245-107-60 | Sequence 60, Appl1 |
| 30 | 84.5 | 14.6 | 156 | 9 | US-10-245-143-60 | Sequence 60, Appl1 |
| 31 | 84.5 | 14.6 | 156 | 9 | US-10-245-771-60 | Sequence 60, Appl1 |
| 32 | 84.5 | 14.6 | 156 | 9 | US-10-245-851-60 | Sequence 60, Appl1 |
| 33 | 84.5 | 14.6 | 156 | 9 | US-10-245-883-60 | Sequence 60, Appl1 |
| 34 | 84.5 | 14.6 | 156 | 9 | US-10-237-335-60 | Sequence 60, Appl1 |
| 35 | 84.5 | 14.6 | 156 | 9 | US-10-238-183-60 | Sequence 60, Appl1 |
| 36 | 84.5 | 14.6 | 156 | 9 | US-10-238-283-60 | Sequence 60, Appl1 |
| 37 | 84.5 | 14.6 | 156 | 9 | US-10-238-370-60 | Sequence 60, Appl1 |
| 38 | 84.5 | 14.6 | 156 | 9 | US-10-245-055-60 | Sequence 60, Appl1 |
| 39 | 84.5 | 14.6 | 156 | 9 | US-10-245-147-60 | Sequence 60, Appl1 |
| 40 | 84.5 | 14.6 | 156 | 9 | US-10-245-730-60 | Sequence 60, Appl1 |
| 41 | 84.5 | 14.6 | 156 | 9 | US-10-245-739-60 | Sequence 60, Appl1 |
| 42 | 84.5 | 14.6 | 156 | 9 | US-10-246-210-60 | Sequence 60, Appl1 |
| 43 | 84.5 | 14.6 | 156 | 9 | US-10-239-196-60 | Sequence 60, Appl1 |
| 44 | 84.5 | 14.6 | 156 | 9 | US-10-243-024-60 | Sequence 60, Appl1 |
| 45 | 84.5 | 14.6 | 156 | 9 | US-10-243-409-60 | Sequence 60, Appl1 |

ALIGNMENTS

RESULT 1

US-09-948-391A-4

Sequence 4, Application US/09948391A

Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: The United States of America

APPLICANT: as represented by The Secretary of the

DEPARTMENT OF Health and Human Services

TITLE OF INVENTION: Recombinant Anti-Tumor RNase

FILE REFERENCE: 015280-343110US

CURRENT APPLICATION NUMBER: US/09/948,391A

CURRENT FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: US 60/079,751

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613

PRIOR FILING DATE: 2000-08-17

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 4

LENGTH: 104

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens

OTHER INFORMATION: ribonuclease with Met23leu substitution

OTHER INFORMATION: (recombinant RapRI Met23leu)

US-09-948-391A-4

Query Match 100.0%; Score 579; DB 9; Length 104;

Best Local Similarity 100.0%; Pred. No. 1e-56;

Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDMITFQKKHLNTRDVCNIIITNLFHKDKNTFYSPPEVKAICKIISKNVLT 60

DB 1 QDMITFQKKHLNTRDVCNIIITNLFHKDKNTFYSPPEVKAICKIISKNVLT 60

QY 61 FEFYLSDCNVTSRCKYKLRKSTNTEFCVTCENQAPVHFVGCHC 104

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Db      61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGSHC 104

RESULT 2
US-09-948-391A-8
; Sequence 8, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948.391A
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
; OTHER INFORMATION: substitution (recombinant Met(-1) RapLr1 Met23Leu)
US-09-948-391A-8

Query Match      98.4%; Score 570; DB 9; Length 105;
Best Local Similarity 99.0%; Pred. No. 1e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 QDWLTFOKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
        |||||||
Db      2 QDWLTFOKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 61

QY      61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGSHC 104
        |||||||
Db      62 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGSHC 105

RESULT 3
US-09-948-391A-9
; Sequence 9, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948.391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 111
; TYPE: PRT

```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with (His)6 tag, Met at position 7
; OTHER INFORMATION: and Met30Leu substitution (recombinant Met(-1)
; OTHER INFORMATION: RapLr1 Met23Leu-(His)6)
US-09-948-391A-9

Query Match      98.4%; Score 570; DB 9; Length 111;
Best Local Similarity 99.0%; Pred. No. 1e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 QDWLTFOKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
        |||||||
Db      8 QDWLTFOKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 67

QY      61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGSHC 104
        |||||||
Db      68 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGSHC 111

RESULT 4
US-09-948-391A-6
; Sequence 6, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948.391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
; OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant
; OTHER INFORMATION: Met(-1) RapLr1)
US-09-948-391A-6

Query Match      98.3%; Score 569; DB 9; Length 105;
Best Local Similarity 98.1%; Pred. No. 1.3e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 QDWLTFOKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 60
        |||||||
Db      2 QDWLTFOKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIISKNVLT 61

QY      61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGSHC 104
        |||||||
Db      62 SEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGSHC 105

RESULT 5
US-09-948-391A-28
; Sequence 28, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.

```

```

: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 28
: LENGTH: 127
: TYPE: PRT
: ORGANISM: Rana pipiens
: FEATURE:
: OTHER INFORMATION: Rana pipiens ribonuclease (RapRL1) Clone 5a1b cDNA
: OTHER INFORMATION: insert
US-09-948-391A-28
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```

Query Match          98.3%; Score 569; DB 9; Length 127;
Best Local Similarity 98.1%; Pred. No. 1.6e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY      1 QDWLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 60
          |||||||
Db      24 QDWLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 83
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QY      61 EFYLSDCNVTSRPCKYKLLKSTNTPFCVTCENQAPVHFVGVC 104
          |||||||
Db      84 EFYLSDCNVTSRPCKYKLLKSTNTPFCVTCENQAPVHFVGVC 127
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```

RESULT 6
US-09-948-391A-11
: Sequence 11, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 11
: LENGTH: 104
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Glutiser substitution
: OTHER INFORMATION: (recombinant RapRL1 Q1S)
US-09-948-391A-11
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Query Match          97.4%; Score 564; DB 9; Length 104;
Best Local Similarity 98.1%; Pred. No. 4.6e-55;
Matches 101; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY      2 DWLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 61
          |||||||
Db      2 DWLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 61

QY      62 EFYLSDCNVTSRPCKYKLLKSTNTPFCVTCENQAPVHFVGVC 104
          |||||||
Db      62 EFYLSDCNVTSRPCKYKLLKSTNTPFCVTCENQAPVHFVGVC 104
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RESULT 7
US-09-948-391A-13
: Sequence 13, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 13
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met at position 1 and Glutiser
: OTHER INFORMATION: substitution (recombinant Met(-1) RapRL1 Q1S)
US-09-948-391A-13
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Query Match          97.4%; Score 564; DB 9; Length 105;
Best Local Similarity 98.1%; Pred. No. 4.7e-55;
Matches 101; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY      2 DWLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 61
          |||||||
Db      3 DWLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 62
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QY      62 EFYLSDCNVTSRPCKYKLLKSTNTPFCVTCENQAPVHFVGVC 104
          |||||||
Db      63 EFYLSDCNVTSRPCKYKLLKSTNTPFCVTCENQAPVHFVGVC 105
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RESULT 8
US-09-948-391A-2
: Sequence 2, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
```


ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,119
FILING DATE: 07-NOV-2000
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672
FILING DATE: 01-MAY-1998
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997

ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-3251005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 83 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..83
OTHER INFORMATION: /note="onc protein", positions 16-98
of SEQ ID NO:1"

SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-986-119-3

Query Match
Best Local Similarity 75.3%; Score 436; DB 9; Length 83;
Matches 79; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 16 DVCNNILSTLWLFHCKDKNTFIYSRPEVKAICKGIASKNVLTFFEYLSDCNVTSPRC 75
DB 1 DVCDDNIMSTLWLFHCKDKNTFIYSRPEVKAICKGIASKNVLTSEFYLSDCNVTSPRC 60

QY 76 KYKLKSTNTECVTCENQAPVHF 98
DB 61 KYKLKSTNTECVTCENQAPVHF 83

RESULT 12
US-09-948-391A-21
Sequence 21, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT FILING DATE: 2002-05-10
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 21
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
catesbeiana ribonuclease with Met at position 1,
OTHER INFORMATION: Met23Leu and Met58Leu substitutions (recombinant
US-09-948-391A-21

Query Match
Best Local Similarity 47.8%; Score 276.5; DB 9; Length 111;
Matches 55; Conservative 14; Mismatches 33; Indels 9; Gaps 4;

QY 1 ODWLTFORKHLTNTRDVCNNILSTNLF---HCKDKNTFIYSRPEVKAICKGIASKN 56
DB 2 ONWATFOCKHILNT-PIICNTILDNNIYIVGGQCKRVNTFISSATYKAICTGYI-ILN 59

QY 57 VLTTFEFLSDC---NVTSPCKKYKLKSTNTECVTCENQAPVHFVGVGHC 104
DB 60 VLTSTRFOLNCTRTSITPRCPYSSRTEYVICVCKENQAPVHFVGVGHC 110

RESULT 13
US-09-948-391A-22
Sequence 22, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT FILING DATE: 2002-05-10
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: US 60/079,751
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PRIOR APPLICATION NUMBER: WO PCT/US99/06641
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PRIOR APPLICATION NUMBER: US 09/622,613
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 22
LENGTH: 117
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
catesbeiana ribonuclease with (His)6 tag, Met at
OTHER INFORMATION: position 7, Met23Leu and Met58Leu substitutions
OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met22Leu Met57Leu-(His)5)
US-09-948-391A-22

Query Match
Best Local Similarity 49.5%; Score 276.5; DB 9; Length 117;
Matches 55; Conservative 14; Mismatches 33; Indels 9; Gaps 4;

QY 1 ODWLTFORKHLTNTRDVCNNILSTNLF---HCKDKNTFIYSRPEVKAICKGIASKN 56
DB 8 ONWATFOCKHILNT-PIICNTILDNNIYIVGGQCKRVNTFISSATYKAICTGYI-ILN 65

QY 57 VLTTFEFLSDC---NVTSPCKKYKLKSTNTECVTCENQAPVHFVGVGHC 104
DB 66 VLTSTRFOLNCTRTSITPRCPYSSRTEYVICVCKENQAPVHFVGVGHC 116

